



"We're Reducing Risks"

Why Hanford's Spent Nuclear Fuel (SNF) must be cleaned up quickly

- 2,100 metric tons of irradiated nuclear fuel (about 80 percent of DOE's national inventory)
 - contains approximately 4 tons of plutonium
 - many other radioactive components
- 105,000 fuel elements (approximately)
 - 10% are severely corroded and crumbling
 - and 50% are somewhat damaged
- Located 1,500 feet from the Columbia River
- Currently stored underwater in two aging, concrete basins (one basin has leaked)
- Long-term wet storage in 45-year-old basins is an unacceptable risk



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25-Year-old fuel in K East Basin